Proposed LHCDF Air Modeling

Assumptions

- All dredged sediments will be disposed to the LHCDF
- LHCDF footprint size will based on either further information from ACE or derived from UHCDF size by scaling factor (based on CDF cell volume – 300,000 CY for now)
- Dredging volume and locations will be based on Table 1 for both 3-year and 5-year scenarios
- Dredging and disposing Sediment concentration will be based on weighted-average of remaining MUs (see Table 1)
- Dredging length (in months) will be determined based on current and previous dredging experiences

Modeling Run Assumptions

- Both 3-year and 5-year scenarios will be conducted
- The dredging sources for the years will based on MUs listed in Table 1 for both scenarios
- Modeling will include both dredging sources, disposal source (LHCDF), and background source (mudflat). This will reduce modeling runs compare to separate source runs for either dredging or disposal. Intern groups will be developed so results from each source groups can be presented.
- The background mudflat sources will be reduced comparing to earlier modelings due to the dredging and removal actions conducted.
- For the 3-year scenarios, 3 runs will be conducted for the duration for each year.
- For the 5-year scenarios, 5 runs will be conducted for the duration for each year.